

**METHODS FOR IDENTIFYING RHEB EFFECTORS AS LEAD  
COMPOUNDS FOR DRUG DEVELOPMENT FOR DIABETES AND  
DISEASES ASSOCIATED WITH ABNORMAL CELL GROWTH**

**ABSTRACT OF THE DISCLOSURE**

Methods for identifying Rheb effectors are provided. The Rheb effectors can be Rheb agonists or antagonists and can be utilized as lead compounds for the development of drugs for the treatment of diabetes or diseases associated with abnormal cell growth. Non-human, transgenic animals over-expressing Rheb protein, and methods of making such transgenic animals, are also provided.

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